

ACT Profile Report - State

Graduating Class 2009
Ohio



Table of Contents

Section I: Executive Summary	Page 5
Percent of Your Students Ready for College-Level Coursework	
Five Year Trends—Percent of Students Meeting College Readiness Benchmarks	
Five Year Trends—Average ACT Scores	
Five Year Trends—Average ACT Scores by Level of Preparation	
Five Year Trends—Percent and Average Composite Score by Race/Ethnicity	
Section II: Academic Achievement	Page 9
ACT Score Distributions, Cumulative Percentages, Averages, and Quartile Values	
Average ACT Composite Scores for Race/Ethnicity by Level of Preparation	
Average ACT Scores by Race/Ethnicity	
Percent of Students in College Readiness Standards Score Ranges	
Average ACT Scores by Gender	
Percent of Students Meeting College Readiness Benchmark Scores by Gender	
College Readiness Benchmark Percent and Average ACT Scores by Overall High School Curriculum	
College Readiness Benchmark Percent and Average ACT Scores by Content-Specific Curriculum	
Section III: College Readiness & Impact of Course Rigor	Page 15
Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity	
Average ACT Scores and Average ACT Score Changes by Common Course Patterns	
College Readiness Percents by Common Course Patterns	
Section IV: Career and Educational Aspirations	Page 23
Distribution of Planned Educational Majors for All Students by College Plans	
Average ACT Composite Scores for Racial/Ethnic Groups by Post-Secondary Educational Aspirations	
Students' Score Report Preferences at Time of Testing	
Section V: Optional Writing Test Results	Page 27
Average ACT English and Writing Scores by Race/Ethnicity and Gender for students who took ACT Writing	

This report provides information about the performance of your 2009 graduating seniors who took the ACT as sophomores, juniors, or seniors; and self-reported at the time of testing that they were scheduled to graduate in 2009 and tested under standard time conditions.

This report focuses on:

Performance - student test performance in the context of college readiness

Access - number of your graduates exposed to college entrance testing and the percent of race/ethnicity participation

Course Selection - percent of students pursuing a core curriculum

Course Rigor - impact of rigorous coursework on achievement

College Readiness - percent of students meeting ACT College Readiness Benchmark Scores in each content area

Awareness - extent to which student aspirations match performance

Articulation - colleges and universities to which your students send test results

Each year, test data for a school, district, and the state represents a different cohort of students. ACT encourages educators to focus on trends (3, 5, 10 years), not year-to-year changes. Such changes can represent normal – even expected – fluctuations. On the other hand, trend lines offer more insight into what is happening in a school, district, or the state.

Further, ACT encourages educators to measure student performance in the context of college readiness measures. The focus should be on the number and percentage of students meeting or exceeding ACT's College Readiness Benchmark Scores, a measure that is much more meaningful and understandable than an average composite score for a group of students.

The ACT is a curriculum-based measure of college readiness. ACT components include:

- Tests of academic achievement in English, math, reading, science, and writing (optional)
- High school grade and course information
- Student Profile Section
- Career Interest Inventory

The ACT:

Every few years, ACT conducts the **ACT National Curriculum Survey** to ensure its curriculum-based assessment tools accurately measure the skills high school teachers teach and instructors of entry-level college courses expect. The ACT is the only college readiness test designed to reflect the results of such a survey.

ACT's **College Readiness Standards** are sets of statements intended to help students, parents and educators understand the meaning of test scores. The standards relate test scores to the types of skills needed for success in high school and beyond. They serve as a direct link between what students have learned and what they are ready to do next. The ACT is the only college readiness test for which scores can be tied directly to standards.

Only the ACT reports **College Readiness Benchmark Scores** – A benchmark score is the minimum score needed on an ACT subject-area test to indicate a 50% chance of obtaining a B or higher or about a 75% chance of obtaining a C or higher in the corresponding credit-bearing college courses, which include English Composition, Algebra, Social Science and Biology. These scores were empirically derived based on the actual performance of students in college. The College Readiness Benchmark Scores are:

College Course/Course Area	ACT Test	Benchmark Score
English Composition	English	18
Algebra	Mathematics	22
Social Sciences	Reading	21
Biology	Science	24

For more information, go to www.act.org

How to Improve Scores and Increase College Readiness

26% of your students met all four ACT College Readiness Benchmark Scores (Table 1.1). To improve students' scores and increase the percentage of students identified as college ready, ACT suggests:

PROVIDING ACCESS FOR ALL STUDENTS TO TAKE THE ACT: 88,754 of your students are included in this report (the 'cohort'). Increasing access insures that more students have the opportunity to consider college and allows the reader to use this report to evaluate how well courses and instructional programs are preparing students for college and work.

MAKING CORE CURRICULUM A PRIORITY: Emphasize the need for all students to develop college and work ready skills, regardless of postsecondary aspirations. 76% of the students in the cohort reported taking courses that would be considered 'Core or More' (Table 1.4).

MAKING SURE STUDENTS ARE TAKING THE RIGHT KINDS OF COURSES: Table 3.2 reports 7% of the cohort took less than three years of math courses. Of these students, 7% were college ready. 16% of the cohort reported taking the minimum math core (Algebra I, Algebra II, and Geometry). 15% of these students were college ready. In comparison, 57% of the students who advanced beyond minimum math core were college ready. Getting more students ready for Algebra prior to 9th grade will increase the chances that students will be prepared for and take advanced-level math courses.

Similarly, Table 3.2 reports 14% of the cohort took less than three years of natural science courses. 12% of these students were college ready. In comparison, 37% of students who took at least three years of science coursework were college ready.

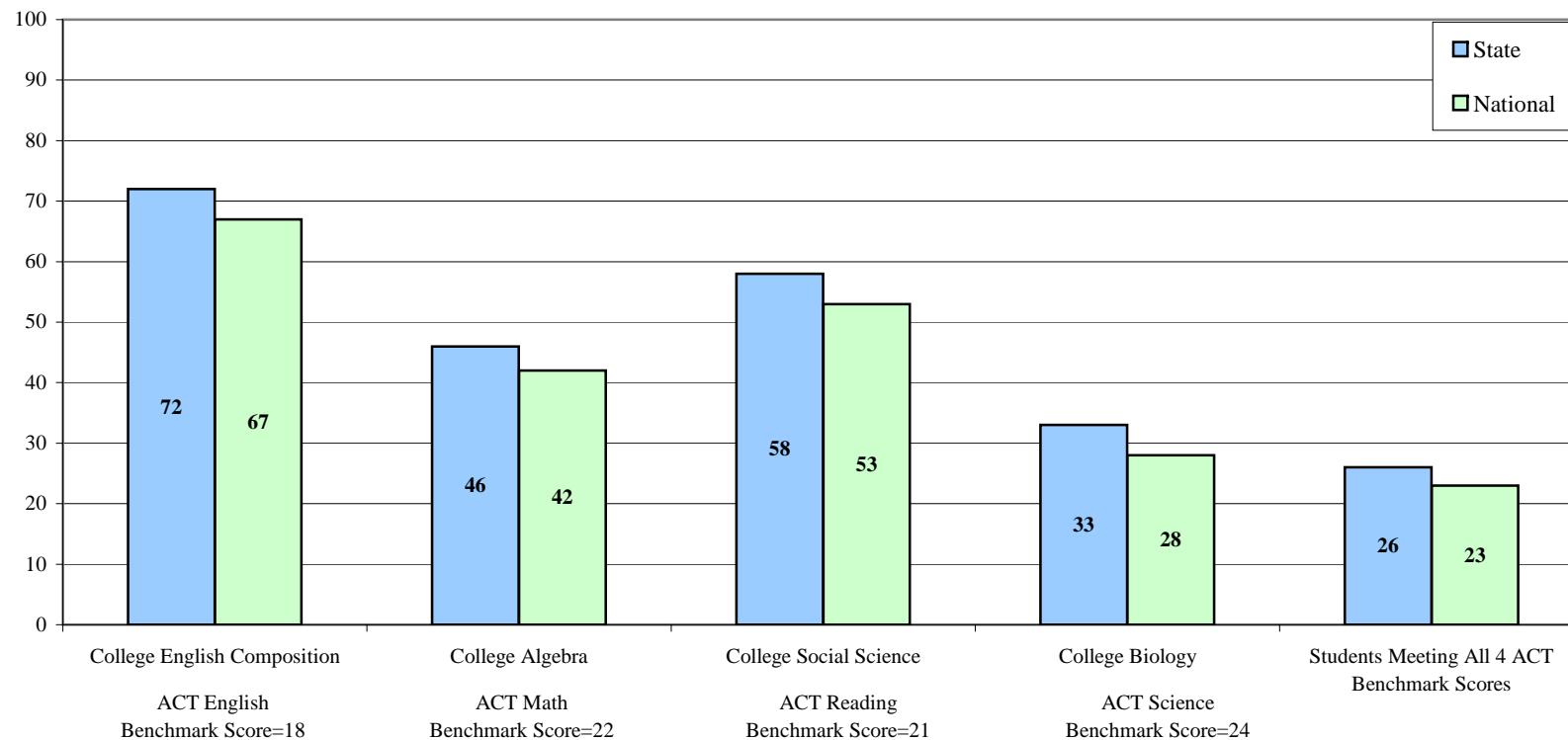
EVALUATING RIGOR OF COURSES: Table 2.6 reports the percentage of students falling in each of the ACT College Readiness Standards score ranges. For example, approximately 42% of the cohort fall into the lowest three Mathematics score ranges. To increase these students' achievement, identify the standards they should focus on next by accessing ACT's College Readiness Standards at www.act.org/standard.

PLAN GUIDANCE ACTIVITIES BASED ON STUDENTS' CAREER AND COLLEGE ASPIRATIONS: Data in Tables 4.1 and 4.2 enable the reader to determine if aspirations are consistent with academic performance and whether among students with similar aspirations, academic performance is consistent across racial/ethnic groups.

For more information on interpreting data in this report, or to learn how ACT can help your students improve their readiness for college and the workplace, contact your regional office at 847-634-2560.

Section I

Executive Summary

Figure 1.1. Percent of Your Students Ready for College-Level Coursework

A benchmark score is the minimum score needed on an ACT subject-area test to indicate a 50% chance of obtaining a B or higher or about a 75% chance of obtaining a C or higher in the corresponding credit-bearing college course.

Table 1.1. Five Year Trends—Percent of Students Meeting College Readiness Benchmarks

Year	Number of Students Tested		Percent Meeting Benchmarks									
	State	National	English		Mathematics		Reading		Science		Meeting All Four	
			State	National	State	National	State	National	State	National	State	National
2005	80,732	1,186,251	70	68	44	41	56	51	30	26	24	21
2006	81,564	1,206,455	71	69	45	42	56	53	30	27	24	21
2007	86,080	1,300,599	72	69	45	43	56	53	32	28	25	23
2008	88,103	1,421,941	72	68	47	43	57	53	33	28	26	22
2009	88,754	1,480,469	72	67	46	42	58	53	33	28	26	23

Table 1.2. Five Year Trends—Average ACT Scores

Year	Number of Students Tested		Average ACT Scores									
	State	National	English		Mathematics		Reading		Science		Composite	
			State	National	State	National	State	National	State	National	State	National
2005	80,732	1,186,251	20.7	20.4	21.2	20.7	21.9	21.3	21.5	20.9	21.4	20.9
2006	81,564	1,206,455	20.8	20.6	21.3	20.8	21.9	21.4	21.5	20.9	21.5	21.1
2007	86,080	1,300,599	21.0	20.7	21.3	21.0	22.0	21.5	21.6	21.0	21.6	21.2
2008	88,103	1,421,941	21.1	20.6	21.5	21.0	22.1	21.4	21.7	20.8	21.7	21.1
2009	88,754	1,480,469	21.1	20.6	21.4	21.0	22.2	21.4	21.7	20.9	21.7	21.1

Table 1.3. Five Year Trends—Average ACT Scores Nationwide

Year	Number of Students Tested		Average ACT Scores					
	State	National	English	Mathematics	Reading	Science	Composite	
			State	National	State	National	State	National
2005		1,186,251	20.4	20.7	21.3	20.9	20.9	20.9
2006		1,206,455	20.6	20.8	21.4	20.9	20.9	21.1
2007		1,300,599	20.7	21.0	21.5	21.0	21.0	21.2
2008		1,421,941	20.6	21.0	21.4	20.8	20.8	21.1
2009		1,480,469	20.6	21.0	21.4	20.9	20.9	21.1

Table 1.4. Five Year Trends—Average ACT Scores by Level of Preparation

Year	Number of Students Tested		Percent ²		English		Mathematics		Reading		Science		Composite	
	Core or More ¹	Less than Core	Core or More	Less than Core	Core or More	Less than Core	Core or More	Less than Core	Core or More	Less than Core	Core or More	Less than Core	Core or More	Less than Core
2005	47,830	27,185	59	34	21.8	18.9	22.2	19.4	22.8	20.3	22.3	20.1	22.4	19.8
2006	46,872	27,594	57	34	21.9	19.1	22.3	19.6	22.8	20.5	22.3	20.2	22.4	20.0
2007	47,485	27,118	55	32	21.9	19.2	22.2	19.7	22.8	20.6	22.3	20.3	22.4	20.0
2008	59,739	23,101	68	26	21.9	19.0	22.3	19.5	22.8	20.4	22.3	20.1	22.4	19.9
2009	67,786	19,318	76	22	22.0	18.6	22.3	19.0	22.9	20.1	22.4	19.7	22.5	19.5

¹"Core or More" results correspond to students taking four or more years of English AND three or more years each of math, social studies, and natural science.

²Percent of all students tested. Numbers will not add up to 100% due to student non-response.

Table 1.5. Five Year Trends—Percent and Average Composite Score by Race/Ethnicity

	2005			2006			2007			2008			2009		
	N	%	Avg												
All Students	80,732	100	21.4	81,564	100	21.5	86,080	100	21.6	88,103	100	21.7	88,754	100	21.7
African American/Black	7,405	9	17.1	7,666	9	17.2	8,177	9	17.0	9,108	10	17.1	9,607	11	17.2
American Indian/Alaska Native	220	0	20.4	233	0	20.3	247	0	20.8	251	0	20.4	251	0	20.6
Caucasian American/White	64,175	79	21.9	62,306	76	22.0	62,599	73	22.1	67,493	77	22.2	69,828	79	22.4
Hispanic	1,349	2	20.0	1,360	2	20.1	1,405	2	20.2	1,609	2	20.1	1,747	2	20.5
Asian American/Pacific Islander	1,355	2	23.1	1,261	2	23.3	1,298	2	23.9	1,456	2	24.1	1,639	2	24.1
Other/No Response	6,228	8	21.6	8,738	11	21.7	12,354	14	22.2	8,186	9	22.3	5,682	6	21.7

Section II

Academic Achievement

Table 2.1. ACT Score Distributions, Cumulative Percentages (CP¹), and Score Averages

ACT Scale Score	English		Mathematics		Reading		Science		Composite		ACT Scale Score
	N	CP	N	CP	N	CP	N	CP	N	CP	
36	272	100	227	100	670	100	251	100	43	100	36
35	950	100	447	100	630	99	501	100	218	100	35
34	1,143	99	895	99	1,377	99	500	99	454	100	34
33	1,205	97	999	98	1,949	97	598	99	760	99	33
32	1,273	96	1,026	97	2,013	95	821	98	1,138	98	32
31	1,465	95	1,162	96	2,376	93	972	97	1,422	97	31
30	1,718	93	1,287	95	3,195	90	1,505	96	2,011	95	30
29	2,182	91	2,112	93	2,641	86	1,934	94	2,339	93	29
28	2,575	88	3,037	91	3,132	83	2,282	92	3,047	91	28
27	3,153	86	3,862	87	3,293	80	2,769	89	3,800	87	27
26	3,616	82	4,633	83	3,582	76	3,809	86	4,460	83	26
25	4,916	78	5,249	78	3,917	72	7,173	82	5,096	78	25
24	4,713	72	5,972	72	4,507	68	6,555	74	5,724	72	24
23	5,430	67	5,523	65	6,155	63	7,418	67	6,330	66	23
22	6,140	61	4,491	59	5,240	56	7,444	58	6,667	58	22
21	6,808	54	5,437	54	7,064	50	7,795	50	7,293	51	21
20	6,543	46	4,966	48	5,579	42	9,546	41	7,160	43	20
19	5,258	39	5,570	42	6,560	35	7,239	30	6,706	35	19
18	4,355	33	6,592	36	4,039	28	5,389	22	6,375	27	18
17	4,553	28	7,794	28	4,714	23	3,264	16	5,426	20	17
16	4,658	23	9,006	20	4,533	18	3,374	12	4,328	14	16
15	4,803	18	5,457	10	3,538	13	2,183	9	3,244	9	15
14	2,701	12	2,140	3	3,275	9	1,728	6	2,221	5	14
13	2,129	9	605	1	1,954	5	1,371	4	1,434	3	13
12	1,916	7	166	1	1,492	3	997	3	732	1	12
11	1,456	5	75	1	747	1	708	2	232	1	11
10	1,306	3	11	1	322	1	329	1	64	1	10
9	819	2	8	1	112	1	221	1	24	1	9
8	391	1	1	1	79	1	57	1	4	1	8
7	196	1	0	1	31	1	11	1	1	1	7
6	76	1	3	1	18	1	7	1	1	1	6
5	25	1	0	1	15	1	2	1	0	1	5
4	9	1	1	1	4	1	0	1	0	1	4
3	1	1	0	1	0	1	1	1	0	1	3
2	0	1	0	1	1	1	0	1	0	1	2
1	0	1	0	1	0	1	0	1	0	1	1
Avg (SD)	21.1 (5.9)		21.4 (5.1)		22.2 (5.8)		21.7 (4.7)		21.7 (4.8)		Avg (SD)

¹CP is the cumulative percent of students at or below a score point.

Note: Shaded portions of columns identify the students who met/exceeded the ACT College Readiness Benchmark Scores.

Table 2.2. ACT Subscore Distributions, Cumulative Percentages (CP¹), and Subtest Score Averages

ACT Scale Score	English				Reading				Mathematics								ACT Scale Score	
	Usage/ Mechanics		Rhetorical Skills		Social Studies		Arts/ Literature		Pre/Elementary Algebra		Algebra/ Coordinate Geometry		Plane Geometry/ Trigonometry					
	N	CP	N	CP	N	CP	N	CP	N	CP	N	CP	N	CP	N	CP		
18	3,015	100	1,160	100	2,769	100	3,422	100	3,507	100	757	100	841	100	18	18		
17	3,236	97	873	99	3,928	97	5,291	96	4,166	96	1,129	99	479	99	17	17		
16	4,233	93	5,141	98	4,905	92	6,917	90	4,441	91	2,101	98	3,057	99	16	16		
15	4,545	88	5,740	92	5,181	87	6,784	82	6,036	86	2,828	96	4,891	95	15	15		
14	4,947	83	6,868	85	5,834	81	6,767	75	6,772	80	8,223	92	6,832	90	14	14		
13	6,097	77	7,698	78	7,732	75	4,863	67	7,251	72	8,836	83	10,186	82	13	13		
12	7,000	71	10,857	69	8,639	66	8,274	62	8,525	64	9,184	73	8,317	70	12	12		
11	8,434	63	10,464	57	8,524	56	9,995	52	9,013	54	11,942	63	10,288	61	11	11		
10	10,842	53	11,900	45	11,384	46	8,035	41	8,575	44	15,978	49	13,617	49	10	10		
9	9,085	41	9,206	32	9,584	34	6,923	32	7,578	34	11,276	31	11,278	34	9	9		
8	7,209	31	7,452	21	8,765	23	6,754	24	9,911	26	7,966	19	7,225	21	8	8		
7	6,605	23	4,995	13	5,684	13	5,512	17	8,359	15	3,836	10	4,934	13	7	7		
6	5,848	15	2,307	7	3,237	7	3,950	10	3,216	5	1,580	5	2,728	8	6	6		
5	3,712	9	2,044	5	1,452	3	3,311	6	879	2	1,766	4	1,726	5	5	5		
4	2,358	4	1,396	2	565	1	1,337	2	350	1	691	2	1,239	3	4	4		
3	1,210	2	549	1	369	1	464	1	134	1	434	1	667	1	3	3		
2	341	1	86	1	150	1	150	1	38	1	114	1	250	1	2	2		
1	37	1	18	1	52	1	5	1	3	1	113	1	199	1	1	1		
Avg (SD)	10.5 (3.7)		11.0 (3.1)		11.2 (3.3)		11.4 (3.7)		11.3 (3.4)		10.8 (2.7)		10.7 (3.0)		Avg (SD)			

¹CP is the cumulative percent of students at or below a score point.**Table 2.3. ACT Score Quartile Values**

Quartile	English	Mathematics	Reading	Science	Composite
Q3 (75th Percentile)	25	25	26	25	25
Q2 (50th Percentile)	21	21	22	22	21
Q1 (25th Percentile)	17	17	18	19	18

Table 2.4. Average ACT Composite Scores for Race/Ethnicity by Level of Preparation

Student Group	Race/Ethnicity	Number of Students Tested	Percent Taking Core or More ¹	Average ACT Composite Score Core or More	Average ACT Composite Score Less Than Core
State	All Students	88,754	76	22.5	19.5
	African American/Black	9,607	66	17.8	16.1
	American Indian/Alaska Native	251	71	21.6	18.3
	Caucasian American/White	69,828	78	23.0	20.0
	Hispanic	1,747	73	21.4	18.4
	Asian American/Pacific Islander	1,639	85	24.5	22.2
	Other/No Response	5,682	73	22.6	19.6
National	All Students	1,480,469	70	22.0	19.1
	African American/Black	196,149	64	17.6	15.9
	American Indian/Alaska Native	15,773	59	20.1	17.4
	Caucasian American/White	941,206	73	23.0	20.1
	Hispanic	133,569	67	19.6	17.3
	Asian American/Pacific Islander	59,093	80	23.7	21.4
	Other/No Response	134,679	63	22.2	19.0

¹"Core or More" results correspond to students taking four or more years of English AND three or more years each of math, social studies, and natural science.

Table 2.5. Average ACT Scores by Race/Ethnicity

Student Group	Race/Ethnicity	English	Mathematics	Reading	Science	Composite
State	All Students	21.1	21.4	22.2	21.7	21.7
	African American/Black	16.0	17.2	17.3	17.7	17.2
	American Indian/Alaska Native	20.0	20.3	21.1	20.7	20.6
	Caucasian American/White	21.8	22.0	22.8	22.3	22.4
	Hispanic	19.7	20.2	21.0	20.7	20.5
	Asian American/Pacific Islander	23.4	25.1	23.8	23.8	24.1
	Other/No Response	21.1	21.3	22.2	21.6	21.7
National	All Students	20.6	21.0	21.4	20.9	21.1
	African American/Black	16.0	17.1	16.9	17.2	16.9
	American Indian/Alaska Native	17.9	18.7	19.4	19.1	18.9
	Caucasian American/White	21.9	21.9	22.6	21.9	22.2
	Hispanic	17.7	19.1	18.9	18.8	18.7
	Asian American/Pacific Islander	22.6	24.5	22.7	22.7	23.2
	Other/No Response	20.4	21.0	21.3	20.7	20.9

Table 2.6. Percent of Students in College Readiness Standards (CRS) Score Ranges

Student Group	CRS Range	English		Mathematics		Reading		Science	
		N	%	N	%	N	%	N	%
State	33 to 36	3,570	4	2,568	3	4,626	5	1,850	2
	28 to 32	9,213	10	8,624	10	13,357	15	7,514	8
	24 to 27	16,398	18	19,716	22	15,299	17	20,306	23
	20 to 23	24,921	28	20,417	23	24,038	27	32,203	36
	16 to 19	18,824	21	28,962	33	19,846	22	19,266	22
	13 to 15	9,633	11	8,202	9	8,767	10	5,282	6
	01 to 12	6,195	7	265	0	2,821	3	2,333	3
National	33 to 36	60,269	4	45,198	3	74,801	5	26,524	2
	28 to 32	154,245	10	139,060	9	205,090	14	104,787	7
	24 to 27	251,396	17	293,477	20	226,630	15	287,693	19
	20 to 23	376,203	25	300,212	20	361,756	24	492,815	33
	16 to 19	303,385	20	495,592	33	334,831	23	367,167	25
	13 to 15	179,194	12	198,214	13	195,336	13	131,197	9
	01 to 12	155,777	11	8,716	1	82,025	6	70,286	5

Table 2.7. Average ACT Scores by Gender

Student Group	Gender	Average ACT Scores						
		N	Percent	English	Mathematics	Reading	Science	Composite
State	Males	40,566	46	20.9	22.3	22.2	22.4	22.0
	Females	48,028	54	21.4	20.7	22.1	21.2	21.5
	Missing	160	0	22.1	22.5	23.1	22.4	22.7
National	Males	668,165	45	20.2	21.6	21.3	21.4	21.3
	Females	808,097	55	20.9	20.4	21.4	20.4	20.9
	Missing	4,207	0	20.3	21.2	21.5	20.8	21.1

Table 2.8. Percent of Students Meeting College Readiness Benchmark Scores by Gender

Student Group	Gender	Percent of Students					Meet All Four
		English	Mathematics	Reading	Science	All Four	
State	Males	70	53	58	39	31	
	Females	73	40	59	29	23	
National	Males	65	47	52	33	27	
	Females	69	38	53	24	20	

Table 2.9. College Readiness Benchmark (CRB) Percent and Average ACT Scores by Overall High School Curriculum

Student Group	Curriculum Taken ¹	N	English		Mathematics		Reading		Science		Composite	
			CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB % ³	Avg
State	Core or More ²	67,786	78	22.0	53	22.3	64	22.9	39	22.4	31	22.5
	Less than Core	19,318	54	18.6	24	19.0	43	20.1	17	19.7	12	19.5
	Missing	1,650	33	15.5	12	17.0	24	17.4	8	17.7	5	17.0
National	Core or More	1,039,502	75	21.7	50	21.9	59	22.3	34	21.7	28	22.0
	Less than Core	391,458	52	18.3	25	18.9	38	19.4	16	19.2	12	19.1
	Missing	49,509	35	15.9	16	17.5	25	17.3	10	17.6	7	17.2

¹"Curriculum Taken" reflects overall high school curriculum in this table.²"Core or More" results correspond to students taking four or more years of English AND three or more years each of math, social studies, and natural science.³Composite CRB% results reflect students who meet all four subject-area benchmarks.**Table 2.10. College Readiness Benchmark (CRB) Percent and Average ACT Scores by Content-Specific Curriculum**

Student Group	Curriculum Taken ¹	English			Mathematics			Reading			Science		
		N	CRB %	Avg	N	CRB %	Avg	N	CRB %	Avg	N	CRB %	Avg
State	Core or More	85,794	73	21.3	81,331	50	21.9	81,789	59	22.3	75,484	37	22.2
	Less than Core	1,844	51	18.1	5,906	7	16.9	5,755	50	21.2	12,052	12	19.0
	Missing	1,116	33	15.7	1,517	11	16.9	1,210	24	17.3	1,218	10	17.8
National	Core or More	1,367,549	70	20.9	1,334,313	46	21.4	1,287,169	55	21.7	1,206,541	32	21.5
	Less than Core	73,276	42	16.8	101,413	7	16.5	151,264	41	19.7	230,683	12	18.4
	Missing	39,644	37	16.1	44,743	17	17.5	42,036	26	17.5	43,245	11	17.7

¹"Curriculum Taken" reflects content-specific curriculum in this table.

For instance, Reading "Core or More" results correspond to students taking three or more years of social studies, regardless of courses taken in other content areas.

Section III

College Readiness and the

Impact of Course Rigor

Figure 3.1. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: ENGLISH

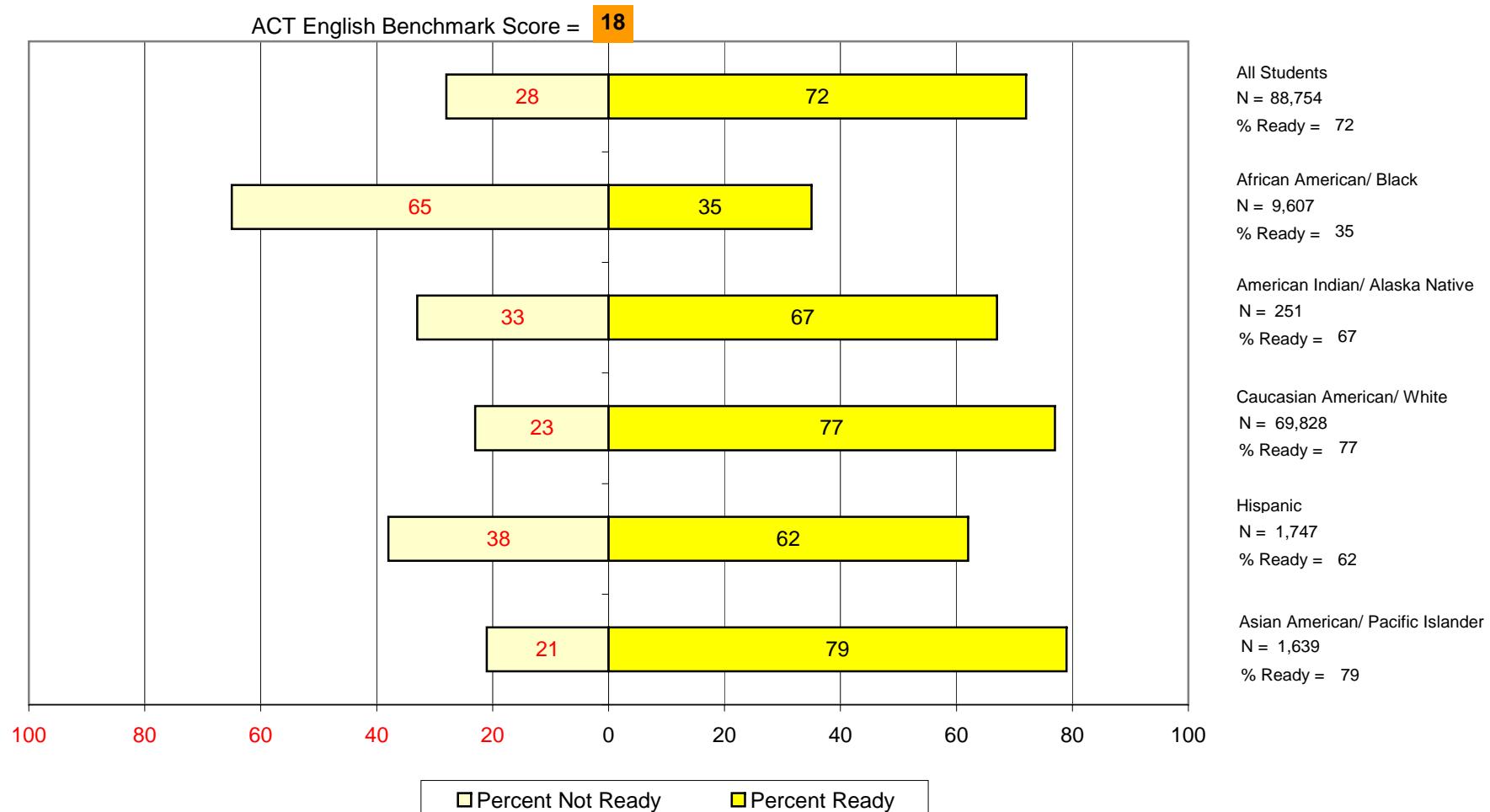


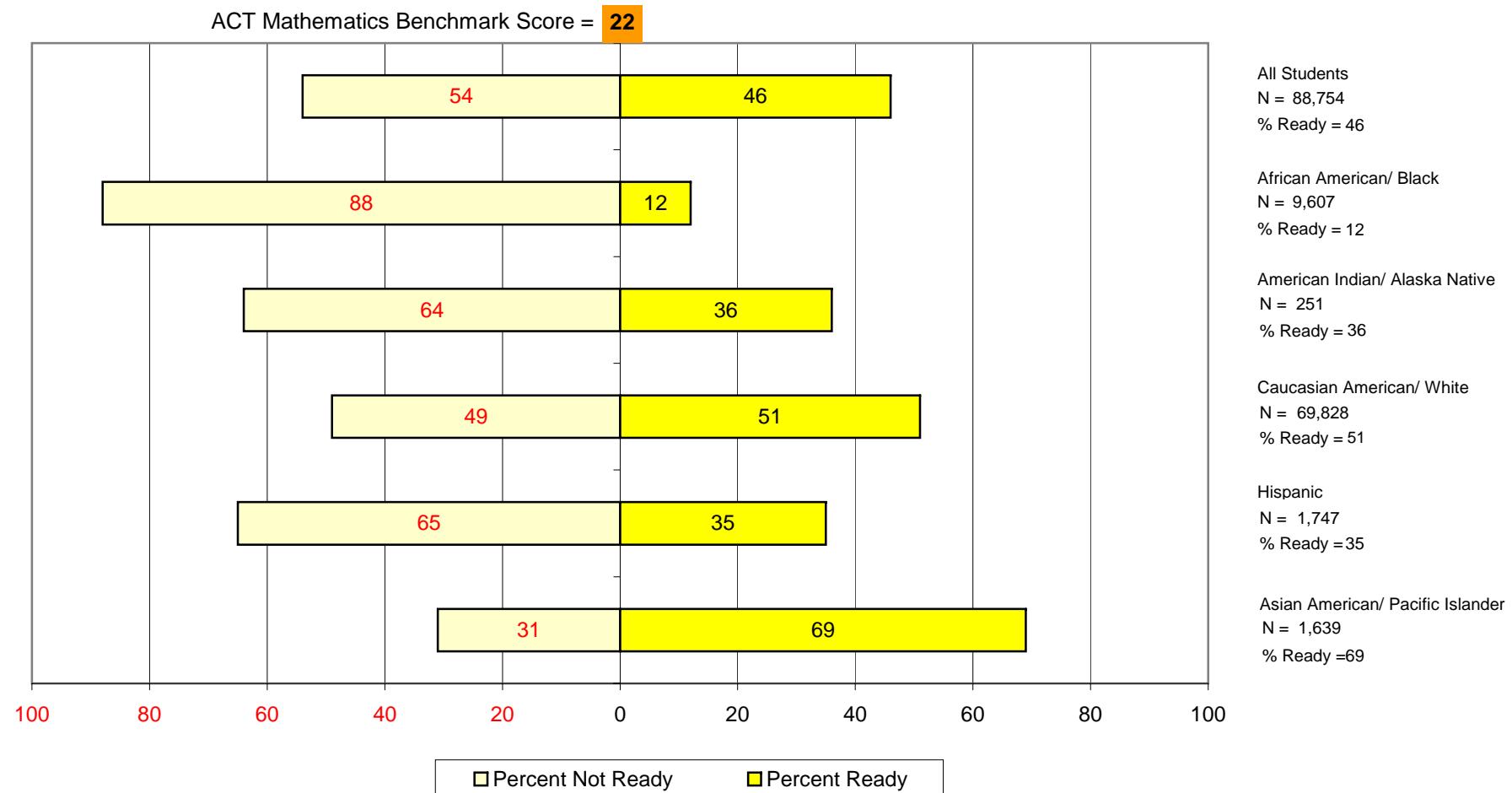
Figure 3.2. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS

Figure 3.3. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: READING

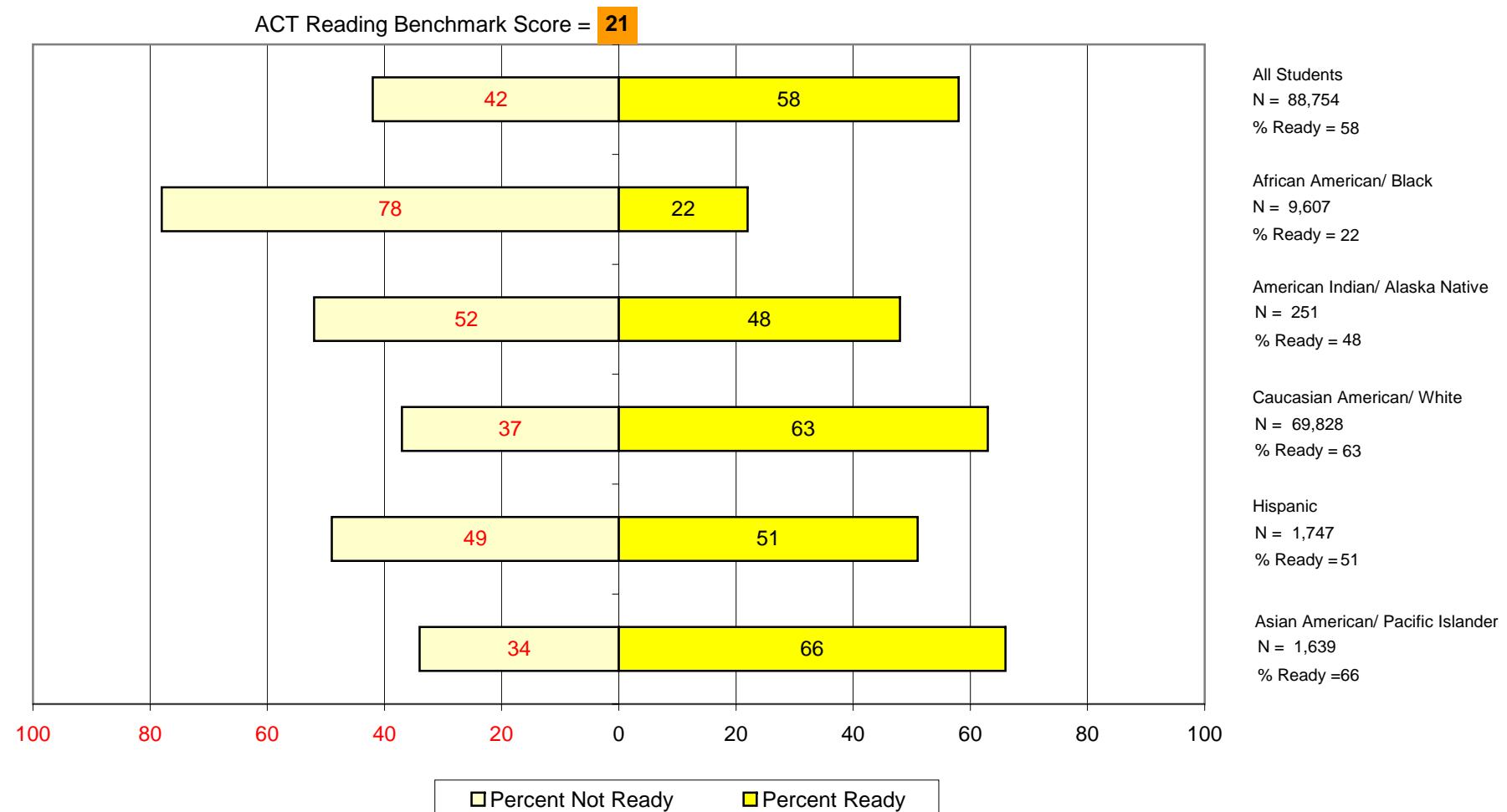


Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

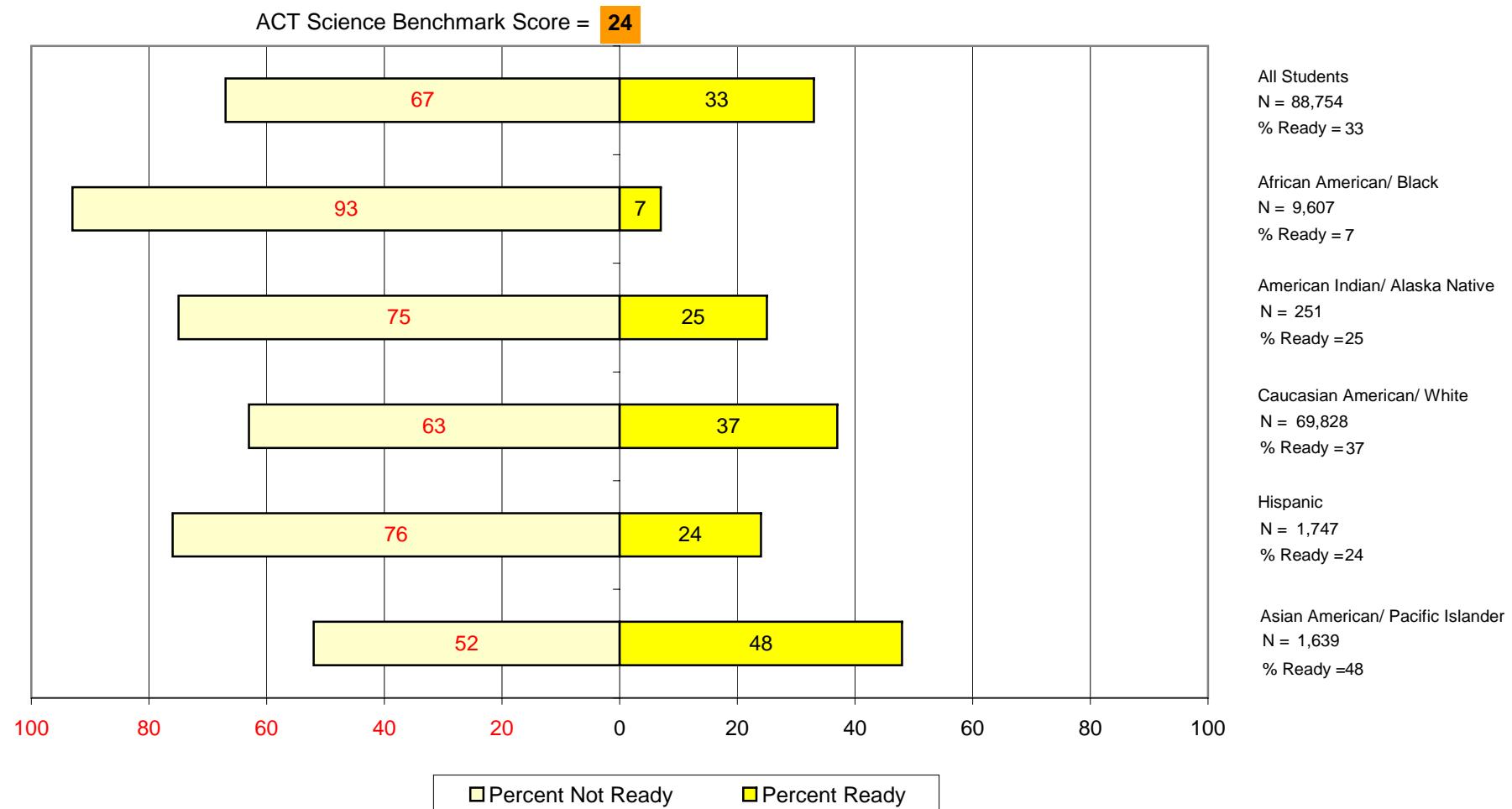


Figure 3.5. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR

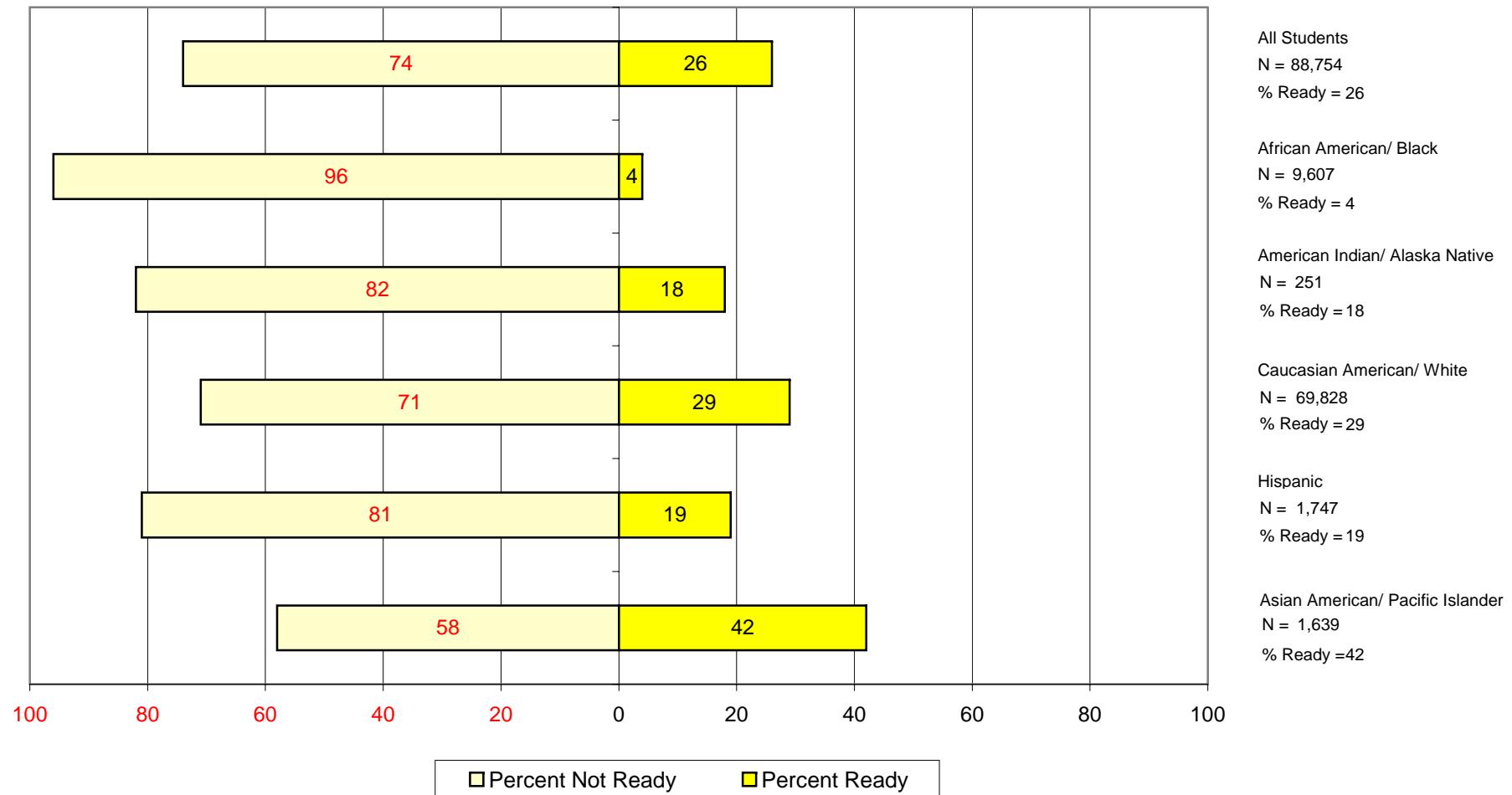


Table 3.1. Average ACT Scores and Average ACT Score Changes by Common Course Patterns

Course Pattern	All Students					Males					Females				
	N	Percent	ACT English	Course Value Added ¹	N	Percent	ACT English	Course Value Added ¹	N	Percent	ACT English	Course Value Added ¹			
ENGLISH COURSE PATTERN															
Eng 9, Eng 10, Eng 11, Eng 12, & Other English	21,548	24	22.4	4.4	8,861	22	22.0	4.1	12,657	26	22.7	4.5			
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	64,246	72	20.9	2.9	30,257	75	20.7	2.8	33,886	71	21.1	2.9			
Less than 4 years of English	1,859	2	18.0	-	886	2	17.9	-	960	2	18.2	-			
No English course/grade information reported	1,101	1	15.6	-	562	1	15.4	-	525	1	15.8	-			
MATHEMATICS COURSE PATTERN	N	Percent	ACT Math	Course Value Added ¹	N	Percent	ACT Math	Course Value Added ¹	N	Percent	ACT Math	Course Value Added ¹			
Alg 1, Alg 2, Geom, Trig, & Calc	5,254	6	25.0	8.2	2,595	6	25.8	8.6	2,645	6	24.2	7.6			
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	7,800	9	22.3	5.5	3,191	8	22.9	5.7	4,597	10	21.9	5.3			
Alg 1, Alg 2, Geom, & Trig	5,560	6	20.5	3.7	2,435	6	21.0	3.8	3,113	6	20.0	3.4			
Alg 1, Alg 2, Geom, & Other Adv Math	15,403	17	20.5	3.7	5,921	15	21.1	3.9	9,460	20	20.1	3.5			
Other comb of 4 or more years of Math	28,414	32	24.3	7.5	14,926	37	25.0	7.8	13,447	28	23.5	6.9			
Alg 1, Alg 2, & Geom (Min. Core)	14,585	16	18.0	1.2	6,036	15	18.5	1.3	8,527	18	17.7	1.1			
Other comb of 3 or 3.5 years of Math	4,315	5	20.7	3.9	2,094	5	21.1	3.9	2,212	5	20.4	3.8			
Less than 3 years of Math	6,226	7	16.8	-	2,769	7	17.2	-	3,444	7	16.6	-			
No Math course/grade information reported	1,197	1	17.2	-	599	1	17.6	-	583	1	16.7	-			
SOCIAL SCIENCE COURSE PATTERN	N	Percent	ACT Reading	Course Value Added ¹	N	Percent	ACT Reading	Course Value Added ¹	N	Percent	ACT Reading	Course Value Added ¹			
US Hist, World Hist, Am Gov, & Other Hist	6,026	7	22.8	1.7	3,070	8	22.7	1.7	2,948	6	22.9	1.6			
Other comb of 4 or more years Social Science	34,852	39	22.8	1.7	16,301	40	22.8	1.8	18,496	39	22.8	1.5			
US Hist, World Hist, & Am Gov (Min. Core)	14,855	17	21.1	0.0	6,745	17	21.2	0.2	8,092	17	21.0	-0.3			
Other comb of 3 or 3.5 years of Social Science	26,056	29	22.2	1.1	11,202	28	22.2	1.2	14,806	31	22.2	0.9			
Less than 3 years of Social Science	5,796	7	21.1	-	2,661	7	21.0	-	3,119	6	21.3	-			
No Soc Sci course/grade information reported	1,169	1	17.3	-	587	1	17.3	-	567	1	17.3	-			
NATURAL SCIENCE COURSE PATTERN	N	Percent	ACT Science	Course Value Added ¹	N	Percent	ACT Science	Course Value Added ¹	N	Percent	ACT Science	Course Value Added ¹			
Gen Sci ² , Bio, Chem, & Phys	36,482	41	23.2	4.2	18,869	47	23.8	4.6	17,556	37	22.4	3.6			
Bio, Chem, Phys	5,160	6	24.9	5.9	2,692	7	25.5	6.3	2,457	5	24.2	5.4			
Gen Sci ² , Bio, Chem (Min. Core)	31,541	36	20.9	1.9	11,703	29	21.2	2.0	19,794	41	20.7	1.9			
Other comb of 3 years of Natural Science	2,301	3	20.2	1.2	1,310	3	20.9	1.7	986	2	19.2	0.4			
Less than 3 years of Natural Science	12,113	14	19.0	-	5,407	13	19.2	-	6,678	14	18.8	-			
No Nat Sci course/grade information reported	1,157	1	17.8	-	585	1	18.1	-	557	1	17.5	-			

¹Course value added is defined as the average ACT score change compared to a less than core course sequence.²Includes General, Physical and Earth Sciences.

Table 3.2. College Readiness Percents by Common Course Patterns

Course Pattern	N	State			National			
		Percent Taking Pattern	Avg ACT English	Percent Meeting Benchmark	N	Percent Taking Pattern	Avg ACT English	Percent Meeting Benchmark
ENGLISH COURSE PATTERN								
Eng 9, Eng 10, Eng 11, Eng 12, & Other English	21,548	24	22.4	79	338,118	23	22.0	76
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	64,246	72	20.9	71	1,029,431	70	20.6	68
Less than 4 years of English	1,859	2	18.0	51	74,090	5	16.7	42
No English course/grade information reported	1,101	1	15.6	33	38,830	3	16.1	37
MATHEMATICS COURSE PATTERN	N	Percent Taking Pattern	Avg ACT Math	Percent Meeting Benchmark	N	Percent Taking Pattern	Avg ACT Math	Percent Meeting Benchmark
Alg 1, Alg 2, Geom, Trig, & Calc	5,254	6	25.0	76	92,630	6	24.5	71
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	7,800	9	22.3	58	135,244	9	22.1	56
Alg 1, Alg 2, Geom, & Trig	5,560	6	20.5	39	110,962	7	20.0	35
Alg 1, Alg 2, Geom, & Other Adv Math	15,403	17	20.5	39	220,868	15	20.1	36
Other comb of 4 or more years of Math	28,414	32	24.3	70	455,130	31	23.9	66
Alg 1, Alg 2, & Geom (Min. Core)	14,585	16	18.0	15	248,747	17	17.5	12
Other comb of 3 or 3.5 years of Math	4,315	5	20.7	41	70,732	5	20.1	35
Less than 3 years of Math	6,226	7	16.8	7	105,591	7	16.5	7
No Math course/grade information reported	1,197	1	17.2	13	40,565	3	17.7	18
SOCIAL SCIENCE COURSE PATTERN	N	Percent Taking Pattern	Avg ACT Reading	Percent Meeting Benchmark	N	Percent Taking Pattern	Avg ACT Reading	Percent Meeting Benchmark
US Hist, World Hist, Am Gov, & Other Hist	6,026	7	22.8	61	46,754	3	22.8	61
Other comb of 4 or more years Social Science	34,852	39	22.8	63	735,636	50	22.0	57
US Hist, World Hist, & Am Gov (Min. Core)	14,855	17	21.1	50	84,543	6	20.6	47
Other comb of 3 or 3.5 years of Social Science	26,056	29	22.2	59	420,236	28	21.3	52
Less than 3 years of Social Science	5,796	7	21.1	50	152,775	10	19.7	40
No Soc Sci course/grade information reported	1,169	1	17.3	24	40,525	3	17.5	26
NATURAL SCIENCE COURSE PATTERN	N	Percent Taking Pattern	Avg ACT Science	Percent Meeting Benchmark	N	Percent Taking Pattern	Avg ACT Science	Percent Meeting Benchmark
Gen Sci ¹ , Bio, Chem, & Phys	36,482	41	23.2	46	563,824	38	22.2	39
Bio, Chem, Phys	5,160	6	24.9	61	141,531	10	23.3	47
Gen Sci ¹ , Bio, Chem (Min. Core)	31,541	36	20.9	25	459,833	31	20.1	21
Other comb of 3 years of Natural Science	2,301	3	20.2	21	41,353	3	19.8	21
Less than 3 years of Natural Science	12,113	14	19.0	12	233,215	16	18.4	11
No Nat Sci course/grade information reported	1,157	1	17.8	10	40,713	3	17.7	11

¹Includes General, Physical and Earth Sciences.

Section IV

Career and Educational Aspirations

Table 4.1. Distribution of Planned Educational Majors for All Students by College Plans

Planned Educational Major	All Students			Plan on 2 Years or Less of College			Plan on 4 Years or More of College		
	N ¹	Percent ²	Avg ACT Comp	N	Percent ²	Avg ACT Comp	N	Percent ²	Avg ACT Comp
Agriculture Sciences & Technologies	1,034	1	19.6	214	5	17.7	784	1	20.2
Architecture & Environmental Design	1,786	2	21.9	57	1	18.2	1,627	2	22.1
Business & Management	9,499	11	21.3	314	7	17.5	8,757	11	21.5
Business & Office	613	1	19.5	66	2	17.5	510	1	19.9
Marketing & Distribution	947	1	20.7	35	1	18.4	870	1	20.8
Communications & Comm. Technologies	2,574	3	21.7	97	2	17.4	2,357	3	21.9
Community & Personal Services	1,953	2	19.3	230	5	17.6	1,639	2	19.6
Computer & Information Sciences	2,141	2	22.1	147	3	18.8	1,885	2	22.4
Cross-Disciplinary Studies	100	0	23.5	3	0	17.0	91	0	23.6
Education	4,754	5	21.3	101	2	17.1	4,464	6	21.4
Teacher Education	2,851	3	20.5	57	1	17.2	2,680	3	20.6
Engineering	4,196	5	24.4	90	2	17.2	3,933	5	24.6
Engineering-Related Technologies	2,713	3	22.7	152	4	18.9	2,434	3	22.9
Foreign Languages	537	1	24.3	9	0	20.4	492	1	24.4
Health Sciences & Allied Health Fields	18,940	21	21.3	1,307	30	17.8	16,958	22	21.6
Human, Family & Consumer Science	798	1	19.5	81	2	17.7	670	1	19.8
Letters	540	1	25.0	12	0	16.8	500	1	25.2
Mathematics	679	1	24.3	8	0	19.6	632	1	24.5
Philosophy, Religion & Theology	447	1	22.6	8	0	19.3	398	1	22.6
Sciences (Biological & Physical)	5,033	6	24.3	53	1	18.4	4,794	6	24.3
Social Sciences	5,622	6	22.6	59	1	18.2	5,325	7	22.7
Trade & Industrial	600	1	18.8	253	6	17.7	313	0	19.6
Visual & Performing Arts	5,392	6	21.6	268	6	18.1	4,788	6	21.9
Undecided	13,040	15	21.9	644	15	18.1	11,178	14	22.1
No Response	1,965	2	17.7	46	1	17.6	353	0	19.4

¹2-Year and 4-Year "N" counts do not reflect "Missing" and "Other" institution types, therefore they may not add up to the N count for All Students.

²Percent of students tested within College Plan groups (All Students, 2-Year, 4-Year).

Table 4.2. Average ACT Composite Scores for Racial/Ethnic Groups by Post-Secondary Educational Aspirations

Educational Degree Aspirations	All Racial/Ethnic Groups Combined		African American/Black		American Indian/Alaska Native		Caucasian American/White		Hispanic		Asian American/Pacific Islander		Other/No Response	
	N	Average	N	Average	N	Average	N	Average	N	Average	N	Average	N	Average
Voc-Tech	497	17.8	66	15.0	2	17.0	396	18.3	13	16.8	2	14.0	18	17.7
2-yr College Degree	3,814	17.9	347	15.1	14	16.8	3,159	18.2	77	17.1	14	18.0	203	17.4
Bachelors Degree	41,138	20.8	3,740	16.6	100	19.4	34,016	21.3	757	19.4	438	21.0	2,087	20.2
Graduate Study	15,013	23.7	1,236	18.7	43	22.2	12,293	24.2	258	22.6	270	24.7	913	23.4
Prof. Level Degree	22,281	23.3	2,993	18.3	74	22.5	16,102	24.2	550	22.0	777	26.0	1,785	23.3
Other	1,823	19.2	266	15.8	4	19.3	1,332	19.9	32	19.9	32	19.6	157	18.4
No Response	4,188	20.9	959	15.7	14	19.5	2,530	22.5	60	18.2	106	24.8	519	22.2

Table 4.3. Students' Score Report Preferences at Time of Testing

Name	State	Number of Students			Percent of Students in College Readiness Standards Ranges						
		Total	1st Choice	2nd-6th Choice	01-12	13-15	16-19	20-23	24-27	28-32	33-36
OHIO STATE UNIVERSITY THE	Ohio	20,671	8,545	12,126	1	4	18	30	29	17	2
UNIVERSITY OF CINCINNATI	Ohio	10,889	3,660	7,229	1	7	23	31	25	12	1
OHIO UNIVERSITY	Ohio	10,777	3,091	7,686	0	3	21	37	27	11	1
KENT STATE UNIVERSITY	Ohio	9,949	3,051	6,898	1	9	30	34	20	6	0
BOWLING GREEN STATE UNIVERSITY	Ohio	8,705	2,547	6,158	1	7	27	37	21	7	1
UNIVERSITY OF AKRON	Ohio	8,389	2,730	5,659	2	10	30	32	19	6	0
MIAMI UNIVERSITY	Ohio	8,076	2,104	5,972	0	2	11	29	35	21	2
UNIVERSITY OF TOLEDO	Ohio	7,621	2,146	5,475	2	9	28	32	21	8	1
WRIGHT STATE UNIVERSITY	Ohio	5,163	1,677	3,486	1	9	29	33	20	7	1
UNIVERSITY OF DAYTON	Ohio	3,731	778	2,953	1	3	12	30	32	19	2
CLEVELAND STATE UNIVERSITY	Ohio	2,647	741	1,906	3	15	37	27	14	4	0
YOUNGSTOWN STATE UNIVERSITY	Ohio	2,626	1,022	1,604	3	13	36	29	15	5	0
XAVIER UNIVERSITY-OH	Ohio	2,475	437	2,038	1	7	19	32	27	14	1
NCAA ELIGIBILITY CENTER	Indiana	2,358	1,157	1,201	2	10	26	31	22	8	1
OHIO NORTHERN UNIVERSITY	Ohio	2,321	619	1,702	0	2	12	30	35	19	1
CASE WESTERN RESERVE UNIV	Ohio	1,973	547	1,426	0	3	10	16	29	33	8
ASHLAND UNIVERSITY	Ohio	1,920	520	1,400	1	6	27	34	23	8	0
CAPITAL UNIVERSITY	Ohio	1,903	429	1,474	1	7	26	33	22	10	0
NORTHERN KENTUCKY UNIVERSITY	Kentucky	1,649	338	1,311	2	10	33	34	17	4	0
OTTERBEIN COLLEGE	Ohio	1,648	366	1,282	1	6	21	33	27	11	1
UNIVERSITY OF KENTUCKY	Kentucky	1,639	326	1,313	1	3	16	37	27	15	1
UNIVERSITY OF FINDLAY THE	Ohio	1,638	396	1,242	0	4	23	36	28	9	1
BALDWIN-WALLACE COLLEGE	Ohio	1,592	448	1,144	1	6	25	32	25	10	1
COLUMBUS STATE COMMUNITY COLLEGE	Ohio	1,578	501	1,077	3	17	35	30	11	2	0
MOUNT UNION COLLEGE	Ohio	1,561	386	1,175	0	7	28	35	22	8	0
SHAWNEE STATE UNIVERSITY	Ohio	1,489	600	889	2	11	37	34	13	3	0
OWENS COMMUNITY COLLEGE	Ohio	1,342	438	904	3	16	43	28	9	1	0
PURDUE UNIVERSITY	Indiana	1,061	210	851	0	0	5	15	32	39	8
JOHN CARROLL UNIVERSITY	Ohio	1,057	223	834	1	5	19	31	30	12	1
OHIO DOMINICAN UNIVERSITY	Ohio	1,053	242	811	3	14	34	30	15	4	0
All Other Institutions		81,439	21,348	60,091	1	8	25	28	21	14	2
Total		210,940	61,623	149,317	1	7	24	30	23	12	2

Section V

Optional Writing Test Results

Table 5.1. Average ACT English and Writing Scores by Race/Ethnicity and Gender for students who took ACT Writing

	N		English		Average ACT Scores			
					Essay		English/Writing Combined	
	State	National	State	National	State	National	State	National
All Students	52,276	814,713	21.7	21.5	7.0	7.2	20.8	20.8
African American/Black	6,276	96,225	16.2	16.5	6.4	6.4	16.2	16.5
American Indian/Alaska Native	135	5,489	20.7	18.9	6.7	6.7	19.8	18.5
Caucasian American/White	39,805	497,164	22.5	22.8	7.1	7.3	21.5	21.9
Hispanic	1,145	85,681	20.0	18.4	6.9	7.0	19.6	18.4
Asian American/Pacific Islander	1,246	44,716	24.2	23.5	7.5	7.6	23.1	22.8
Other/No Response	3,669	85,438	22.0	21.4	7.1	7.2	21.1	20.8
Males	23,104	357,025	21.6	21.1	6.8	6.9	20.6	20.3
Females	29,055	455,190	21.7	21.7	7.2	7.4	21.0	21.2
Missing	117	2,498	22.8	22.1	7.2	7.2	21.9	21.3

